

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A fluid medication delivery device, comprising:
a fluid impermeable layer;
a fluid semi-permeable layer, said semi-permeable layer and said impermeable layer cooperating to define a space therebetween, said space defining a fluid reservoir of said delivery device, said semi-permeable layer and said impermeable layer having a continuous seal therebetween to define a periphery of said fluid reservoir;
a fluid inlet communicating with said fluid reservoir, said fluid inlet comprising a valve configured to permit fluid entry into said fluid reservoir, said fluid inlet adapted to permit said delivery device to be selectively connectable to a connector for a supply of fluid, said delivery device adapted to selectively secure said connector in the radial and axial direction, wherein said valve comprises a one-way valve configured to permit fluid to enter said fluid reservoir and preventing fluid from exiting said fluid reservoir through said fluid inlet; and
wherein a fluid is diffusable across said semi-permeable layer in response to a pressure imparted on said fluid.
2. (Original) The delivery device of Claim 1, wherein said semi-permeable layer comprises a porous membrane having a pore size of less than 0.25 microns.
3. (Cancelled)
4. (Original) The delivery device of Claim 1, additionally comprising at least one internal wall within said fluid reservoir, said internal wall segmenting said fluid reservoir into multiple regions interconnected with one another.
5. (Original) The delivery device of Claim 4, wherein said at least one internal wall is defined by a seal between said impermeable layer and said semi-permeable layer.
6. (Currently Amended) The delivery device of Claim 1, wherein said semi-permeable layer comprises a material selected from one of ~~polyethylene~~, polysulfone, polyethersulfone, polyvinylidene difluoride, ~~polycarbonate~~, and nylon, ~~high-density polyethylene, and polytetrafluoroethylene~~.
7. (Currently Amended) A fluid medication delivery device, comprising:

a fluid impermeable pouch having first and second opposing walls, said first wall and said second wall defining a space therebetween, said space defining a fluid reservoir of said delivery device, said second wall including a plurality of openings therethrough defining a diffusion area of said delivery device;

a fluid inlet communicating with said fluid reservoir, said fluid inlet comprising a valve configured to permit fluid entry into said fluid reservoir, said fluid inlet adapted to permit connection to a connector for a supply of fluid, said fluid inlet adapted to selectively secure said connector in the radial and axial direction; and

a fluid semi-permeable layer covering at least said diffusion area of said delivery device, said semi-permeable layer being configured such that fluid within said fluid reservoir must pass through said semi-permeable layer before exiting said delivery device.

8. (Original) The delivery device of Claim 7, wherein said fluid inlet comprises a one-way valve configured to permit fluid entry into said fluid reservoir.

9. (Original) The delivery device of Claim 8, wherein a fluid is diffusable across said semi-permeable layer in response to a pressure imparted on said fluid by an external source of fluid pressure.

10. (Original) The delivery device of Claim 7, wherein said semi-permeable layer comprises a porous membrane having a pore size of less than 0.25 microns.

11. (Original) The delivery device of Claim 7, wherein said openings of said second wall have a diameter of between about 0.25 microns and 0.254 mm.

12. (Original) The delivery device of Claim 7, wherein said pouch comprises a circumferential seal between said first and second walls, a periphery of said semi-permeable layer being sealed by said circumferential seal.

13. (Original) The delivery device of Claim 7, additionally comprising at least one internal wall within said fluid reservoir, said internal wall segmenting said fluid reservoir into multiple regions interconnected with one another.

14. (Original) The delivery device of Claim 7, wherein said semi-permeable layer is positioned between said first wall and said second wall.

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15. (Original) The delivery device of Claim 7, wherein said semi-permeable layer is positioned adjacent said second wall, external of said pouch.

16. (Currently Amended) The delivery device of Claim 7, wherein said semi-permeable layer comprises a material selected from one of ~~polyethylene~~, polysulfone, polyethersulfone, polyvinylidene difluoride, ~~polycarbonate~~, and nylon, ~~high-density polyethylene~~, and ~~polytetrafluoroethylene~~.

(17-24 Withdrawn)

25. (New) The delivery device of Claim 1, wherein said connector is a luer coupler.

26. (New) The delivery device of Claim 1, wherein said fluid inlet is configured to remain connected to said supply of fluid.

27. (New) The delivery device of Claim 1, wherein said fluid inlet is configured to allow the continuous delivery of fluid to the fluid medication delivery device from said supply of fluid.